ASG
Software Solutions

ASG-Alliance™ Installation Guide

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Preface

This *ASG-Alliance Installation Guide* gives you information about installing ASG-Alliance (herein called Alliance). An ASG-Existing Systems Workbench component, Alliance provides complete application-wide understanding, documentation, impact analysis, and change request assessment for effective management and maintenance of existing applications. Alliance performs application analysis tasks quickly and thoroughly in order for you to accurately assess the resources required for application changes and the impact of proposed system changes and system failures.

Allen Systems Group, Inc. (ASG) provides professional support to resolve any questions or concerns regarding the installation or use of any ASG product. Telephone technical support is available around the world, 24 hours a day, 7 days a week.

ASG welcomes your comments, as a preferred or prospective customer, on this publication or on any ASG product.

About this Publication

This publication consists of these chapters:

- Chapter 1, "Introduction," discusses the concepts of Alliance.
- Chapter 2, "Customizing Alliance," describes installation options and ways to customize Alliance.

Related Publications

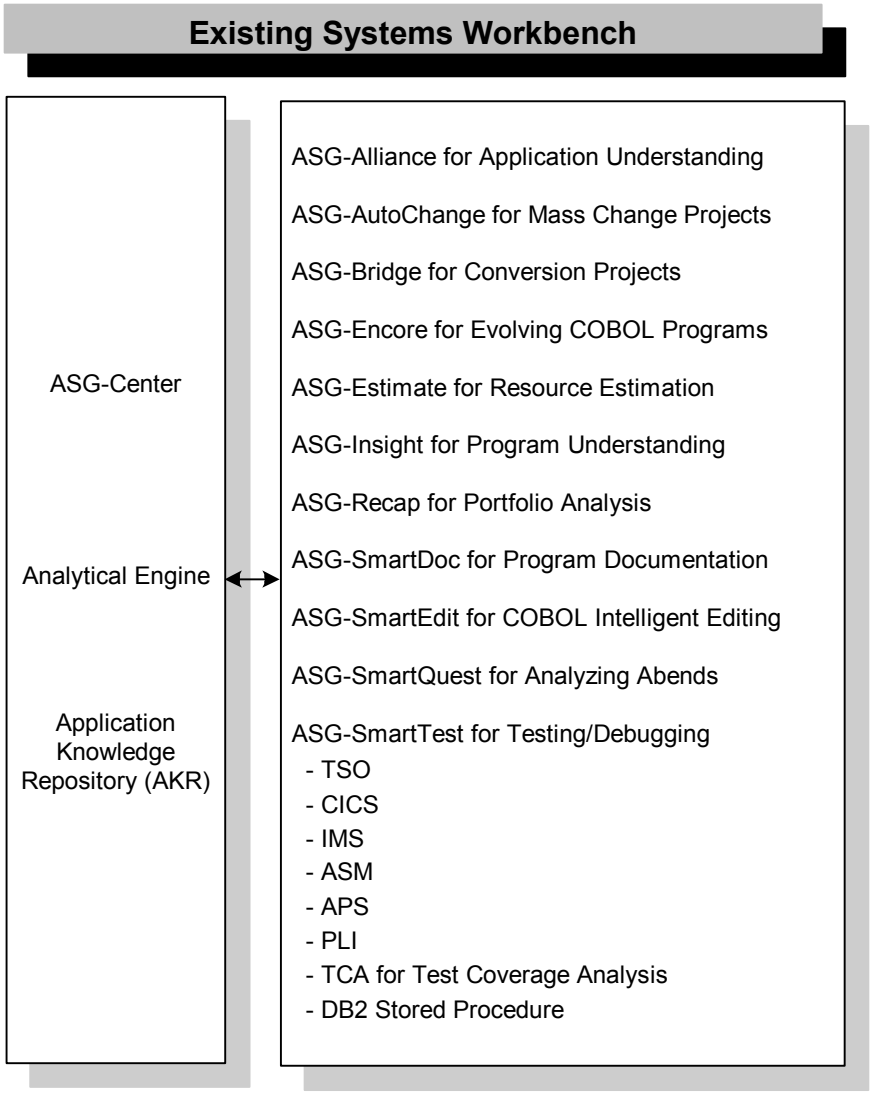
The documentation library for ASG-Alliance consists of these publications (where *nn* represents the product version number):

- *ASG-Application Definition and Analysis User's Guide* (ALL0200-*nn*) which provides information on defining, analyzing, and refining the application definition
- *ASG-Alliance Installation Guide* (ALX0300-*nn*) which provides information about installing ASG-Alliance.
- *ASG-Alliance User's Guide* (ALX0200-*nn*) which provides information on the use of ASG-Alliance.
- *ASG-Center Installation Guide* (CNX0300-*nn*) which contains installation and maintenance information for ASG-Center, the common set of libraries shared by the ASG-Existing Systems Workbench suite of products.
- *ASG-ESW Enhancement Summary* (ESW1000-*nn*) highlights the new functionality for this release.

ASG-Existing Systems Workbench (ASG-ESW)

ASG-ESW (herein called ESW) is an integrated suite of components designed to assist organizations in enhancing, redeveloping, or re-engineering their existing systems. ESW products use the Application Knowledge Repository (AKR) to store source program analysis information generated by the Analytical Engine. Figure 1 represents the components of ESW.

Figure 1 • ASG Existing Systems Workbench



This table contains the name and description of each ESW component:

ESW Product	Herein Called	Description
ASG-Alliance	Alliance	The application understanding component that is used by IT professionals to conduct an analysis of every application in their environment. Alliance supports the analysis and assessment of the impact of change requests upon an entire application. Alliance allows the programmer/ analyst to accurately perform application analysis tasks in a fraction of the time it would take to perform these tasks without an automated analysis tool. The impact analysis from Alliance provides application management with additional information for use in determining the resources required for application changes.
ASG-AutoChange	AutoChange	The COBOL code change tool that makes conversion teams more productive by enabling quick and safe changes to be made to large quantities of code. AutoChange is an interactive tool that guides the user through the process of making source code changes.
ASG-Bridge	Bridge	The bridging product that enables field expansion for program source code, without being required to simultaneously expand the fields in files or databases. Because programs are converted in smaller groups, or on a one-by-one basis, and do not require file conversion, testing during the conversion process is simpler and more thorough.
ASG-Center	Center	The common platform for all ESW products. Center provides the common Analytical Engine to analyze the source program and store this information in the AKR. This common platform provides a homogeneous environment for all ESW products to work synergistically.

ESW Product	Herein Called	Description
ASG-Encore	Encore	The program re-engineering component for COBOL programs. Encore includes analysis facilities and allows you to extract code based on the most frequently used re-engineering criteria. The code generation facilities allow you to use the results of the extract to generate a standalone program, a callable module, a complement module, and a CICS server. Prior to code generation, you can view and modify the extracted Logic Segment using the COBOL editor.
ASG-Estimate	Estimate	The resource estimation tool that enables the user to define the scope, determine the impact, and estimate the cost of code conversion for COBOL, Assembler, and PL/I programs. Estimate locates selected data items across an application and determines how they are used (moves, arithmetic operations, and compares). Time and cost factors are applied to these counts, generating cost and personnel resource estimates.
ASG-Insight	Insight	The program understanding component for COBOL programs. Insight allows programmers to expose program structure, identify data flow, find program anomalies, and trace logic paths. It also has automated procedures to assist in debugging program abends, changing a computation, and resolving incorrect program output values.
ASG-Recap	Recap	The portfolio analysis component that evaluates COBOL applications. Recap reports provide function point analysis and metrics information, program quality assessments, intra-application and inter-application comparisons and summaries, and historical reporting of function point and metrics information. The portfolio analysis information can also be viewed interactively or exported to a database, spreadsheet, or graphics package.
ASG-SmartDoc	SmartDoc	The program documentation component for COBOL programs. SmartDoc reports contain control and data flow information, an annotated source listing, structure charts, program summary reports, exception reports for program anomalies, and software metrics.

ESW Product	Herein Called	Description
ASG-SmartEdit	SmartEdit	The COBOL editing component that can be activated automatically when the ISPF/PDF Editor is invoked. SmartEdit provides comprehensive searching, inline copybook display, and syntax checking. SmartEdit allows you to include an additional preprocessor (for example, the APS generator) during syntax checking. SmartEdit supports all versions of IBM COBOL, CICS, SQL, and CA-IDMS.
ASG-SmartQuest	SmartQuest	The diagnostic tool for analyzing batch and CICS transaction abends. SmartQuest has been designed to make the maximum use of simple point-and-shoot techniques to enable fast and easy navigation through any data dump.
ASG-SmartTest	SmartTest	The testing/debugging component for COBOL, PL/I, Assembler, and APS programs in the TSO, MVS Batch, CICS (including file services), and IMS environments. SmartTest features include program analysis commands, execution control, intelligent breakpoints, test coverage, pseudo code with COBOL source update, batch connect, disassembled object code support, and full screen memory display.

Invoking ESW Products

The method you use to invoke an ESW product depends on your system setup. If you need assistance to activate a product, see your systems administrator. If your site starts a product directly, use the ISPF selection or CLIST as indicated by your systems administrator. If your site uses the ESW screen to start a product, initiate the ESW screen using the ISPF selection or CLIST as indicated by your systems administrator and then typing in the product command on the command line.

The product names can also vary depending on whether you access a product directly or through ESW. See "ESW Product Integration" on page ix for more information about using ESW.

To initialize ESW products from the main ESW screen, select the appropriate option on the action bar pull-downs or type the product shortcut on the command line.

Product Name (ESW Name)	Shortcut	ESW Pull-down Options
Alliance (Application Understanding)	AL	Understand ▸ Application
AutoChange (Conversion Set)	CC	Change ▸ Conversion Set
Bridge	BR	Change ▸ ASG-Bridge
Encore (Program Re-engineering)	EN	Re-engineer ▸ Program
Estimate	ES	Measure ▸ ASG-Estimate
Insight (Program Understanding)	IN	Understand ▸ Program
Recap (Portfolio Analysis)	RC	Measure ▸ Portfolio
SmartDoc (Program Documentation)	DC	Document ▸ Program
SmartEdit	SE	Change ▸ Program **Or** Change ▸ Program with Options
SmartQuest	SQV	Understand ▸ Abend/Dump
SmartTest (Testing/Debugging)	ST	Test ▸ Module/Transaction

ESW Product Integration

Because ESW is an integrated suite of products, you are able to access individual ESW products directly, or through the main ESW screen. As a result, different fields, values, action bar options, and pull-down options display on a screen or pop-up depending on how you accessed the screen or pop-up.

Certain ESW products also contain functionality that interfaces with other ESW products. Using SmartTest as an example, if Alliance is installed, SmartTest provides a dynamic link to Alliance that can be used to display program analysis information. If Insight is installed and specified during the analyze, the Insight program analysis functions are automatically available for viewing logic/data relationships and execution path. For example, the Scratchpad option is available on the Options pull-down if you have Insight installed.

Access to these integrated products requires only that they be installed and executed in the same libraries.

Example 1

Figure 2 shows the Encore Primary screen that displays when you access Encore directly.

The Encore Primary screen contains these eight action bar menu items: File, View, Extract, Generate, Search, List, Options, and Help.

Figure 2 • Encore Primary Screen

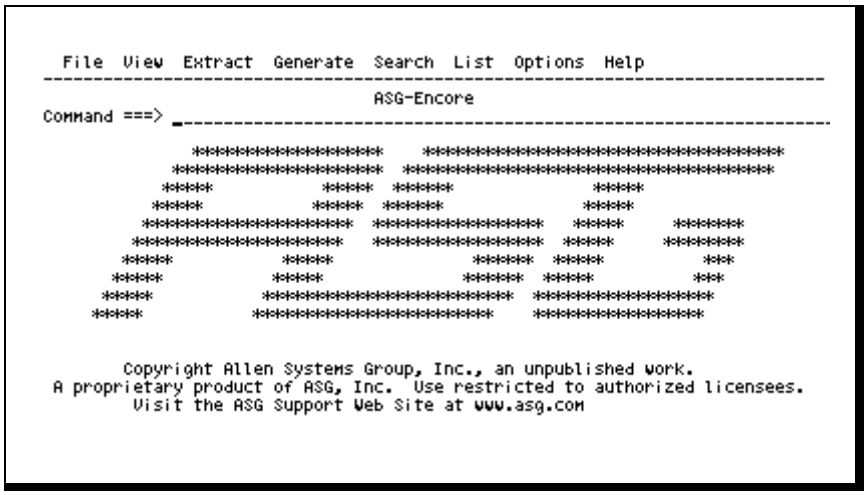
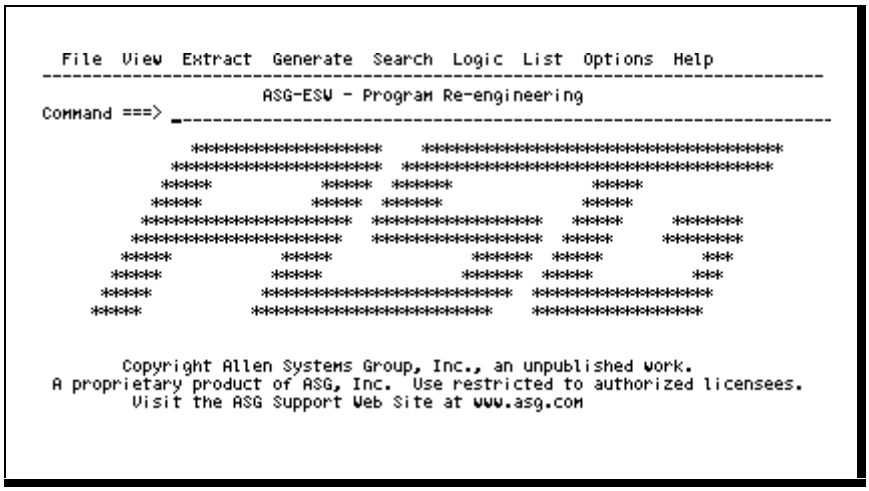


Figure 3 shows the Encore Primary screen that displays when you access Encore through ESW by selecting Re-engineer ▸ Program from the ESW action bar menu. Notice that the Primary screen name changes to ASG-ESW - Program Re-engineering when you enter Encore through ESW. Also, the Logic menu item displays if Insight is installed.

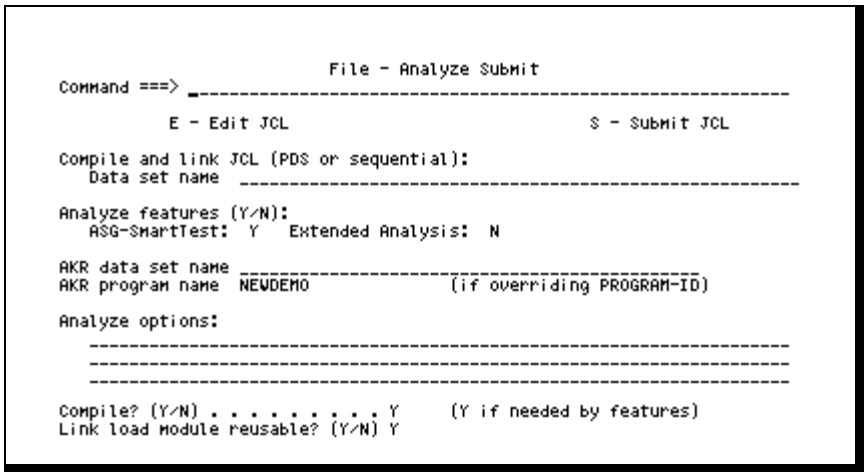
Figure 3 • ESW Encore Primary Screen



Example 2

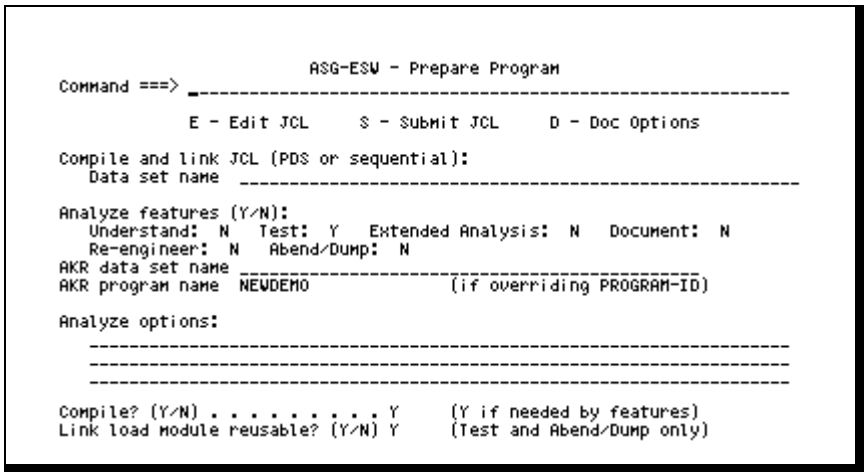
Figure 4 shows the File - Analyze Submit pop-up that displays when you access SmartTest directly. Figure 5 on page xii shows the File - Analyze Submit pop-up that displays when you access SmartTest through ESW.

Figure 4 • File - Analyze Submit Screen



The actions shown on these screens can also vary. For example, the D - Doc Options action is only available on the File Prepare Program screen (or File - Analyze Submit screen) if SmartDoc is installed on your system. In Figure 4 on page xi, the Doc Options action is not displayed.

Figure 5 • ASG-ESW - Prepare Program Screen (accessed through ESW)



Notice that the Analyze features field in Figure 5 lists additional ESW products than shown on Figure 4 on page xi. This field is automatically customized to contain the ESW products you have installed on your system. These are the names of the analyze types:

Analyze Type	Analyze Type (ESW)
ASG-Encore	Re-engineer
ASG-Insight	Understand
ASG-SmartDoc	Document
ASG-SmartQuest	Abend/Dump
ASG-SmartTest	Test
Extended Analysis (ASG-SmartTest with Insight installed)	Extended Analysis

Publication Conventions

ASG uses these conventions in technical publications:

Convention	Represents
ALL CAPITALS	Directory, path, file, dataset, member, database, program, command, and parameter names.
Initial Capitals on Each Word	Window, field, field group, check box, button, panel (or screen), option names, and names of keys. A plus sign (+) is inserted for key combinations (e.g., Alt+Tab).
`lowercase italic monospace`	Information that you provide according to your particular situation. For example, you would replace *`filename`* with the actual name of the file.
`Monospace`	Characters you must type exactly as they are shown. Code, JCL, file listings, or command/statement syntax. Also used for denoting brief examples in a paragraph.
Vertical Separator Bar (|) with underline	Options available with the default value underlined (e.g., Y|N).
Underline	Denotes a cursor-selectable field or line.

ASG Customer Support

ASG provides support throughout the world to resolve questions or problems regarding installation, operation, or use of our products. We provide all levels of support during normal business hours and emergency support during non-business hours.

ASG Third-party Support. ASG provides software products that run in a number of third-party vendor environments. Support for all non-ASG products is the responsibility of the respective vendor. In the event a vendor discontinues support for a hardware and/or software product, ASG cannot be held responsible for problems arising from the use of that unsupported version.

Intelligent Support Portal (ISP)

Online product support is available at: http://www.asg.com/support/support.asp via the ASG Intelligent Support Portal (ISP). Your logon information for ISP online support is:

Customer ID = *NNNNNNNNN*
Password = *XXXXXXXXXX*

where:

NNNNNNNNN is your customer ID supplied by ASG Product Distribution.
XXXXXXXXXX is your unique password supplied by ASG Product Distribution.

The *ASG-Intelligent Support Portal User's Guide* provides instructions on how to use the ISP and is located on the ASG Support web page.

Telephone Support

To expedite response time, please have this information ready:

- Product name, version number, and release number
- List of any fixes currently applied
- Any alphanumeric error codes or messages written precisely as displayed
- A description of the specific steps that immediately preceded the problem
- Verify whether you received an ASG Service Pack or cumulative service tape for this product. It may include information to help you resolve questions regarding installation of this ASG product. The Service Pack instructions are in a text file on the distribution media included with the Service Pack. You can access the latest software corrections and Service Packs via the ISP.
- The severity code (ASG Customer Support uses an escalated severity system to prioritize service to our clients. The severity codes and their meanings are listed below.)

Severity Codes and Expected Support Response Times

Severity	Meaning	Expected Support Response Time
1	Production down, critical situation	Within 30 minutes
2	Major component of product disabled	Within 2 hours
3	Problem with the product, but customer has work-around solution	Within 4 hours
4	"How-to" questions and enhancement requests	Within 4 hours

The Americas

	Phone	Fax	E-mail
United States and Canada	800.354.3578	1.703.464.4901	support@asg.com

Europe, Middle East, and Africa (EMEA)

During normal business hours, we recommend that you call the Central Support number first (except in South Africa).

	Phone	Fax	E-mail
Central Support	00.800.3544.3578	44.1727.812018	support.emea@asg.com
English	44.1727.736305	44.1727.812018	support.uk@asg.com
French	33.141.028590	33.141.028589	support.fr@asg.com
German	49.89.45716.200	49.89.45716.400	support.de@asg.com
Italian	39.0290450025		support.it@asg.com
Dutch	31.30.241.6133		support.nl@asg.com
Spanish	34.913.523.800	34.917.156.961	support.es@asg.com
South Africa	800.201.423		support.sa@asg.com

Asia Pacific (APAC)

	Phone	Fax	E-mail
Central Support	61.3.9645.8500	61.3.9645.8077	support.au@asg.com
Australia	800.637.947	61.3.9645.8077	support.au@asg.com
Hong Kong	800.96.2800		support.hk@asg.com
Japan	81.3.5326.3684	81.3.5326.3001	support.au@asg.com
Singapore	65.224.3080	65.224.8516	support.sg@asg.com

All Other Countries (Also for any non-working numbers)

	Phone	Fax	E-mail
All other countries	1.239.435.2201		support@asg.com

If you receive a voice mail message, follow the instructions to report a production-down or critical problem. Leave a detailed message including your name and phone number. An ASG Customer Support representative will be paged and will return your call as soon as possible. Please have available the information described previously when the ASG Customer Support representative contacts you.

ASG Documentation/Product Enhancements

Submit all product and documentation suggestions to ASG's product management team at http://www.asg.com/asp/emailproductsuggestions.asp.

If you do not have access to the web, FAX your suggestions to product management at (239) 263-3692. Please include your name, company, work phone, e-mail ID, and the name of the ASG product you are using. For documentation suggestions include the publication number located on the publication's front cover.

1 Introduction

This chapter discusses the concepts of Alliance and contains these sections:

Section	Page
ASG Service Pack	1
Alliance Concepts	2
Alliance Features	2
Operating Environment	3
COBOL Support	3
PL/I Support	3
Assembler Support	4
Preprocessor Support	4

Note:

Center must be installed and customized before you install Alliance. If Center is not installed, see the *ASG-Center Installation Guide*.

ASG Service Pack

Verify whether you received an ASG Service Pack for this product. If so, read the instructions for installing the Service Pack before proceeding with the product installation. The installation instructions are located in a text file on the distribution media included with the Service Pack. If you have any problems with the Service Pack, contact ASG Customer Support.

Alliance Concepts

Alliance gives IT professionals an automated tool for conducting impact analysis and for producing high quality, online documentation of corporate legacy systems.

Alliance analyzes and assesses the impact of change requests upon an entire application. Because of this, Alliance allows you to accurately perform application analysis tasks in less time.

The Alliance analysis provides an accurate way for you to assess the resources required for application changes. In addition, this analysis provides an online, interactive tool for assessing the impact of proposed system changes and system failures.

To view information generated from an Alliance application analysis, use the queries contained in the Query Facility. To create new queries, use the Alliance query syntax.

These are some of the management activities supported by the information gathered using Alliance:

- Allocation and justification of resources
- Scheduling of new software development projects
- Scheduling of software maintenance and enhancement

Alliance Features

These interactive, online features are provided by Alliance:

- Identifies and defines applications for analysis
- Submits the analysis job
- Defines and executes impact assessments
- Displays the generated analysis data

Operating Environment

These are the operating components Alliance requires:

- MVS/ESA or OS/390
- VSAM or BDAM for the Application Knowledge Repository (AKR)
- Storage above the 16MB line is used for load modules and GETMAINs
- Direct access storage

Note:
Storage requirements are listed in the *ASG-Center Installation Guide*.

- 3270 type terminals; Models 2, 3, 4, or 5

COBOL Support

These are the COBOL versions Alliance supports:

- ANSI COBOL
- CASE Generated COBOL
- COBOL 68
- COBOL 74
- COBOL/370
- COBOL for MVS and VM
- COBOL for OS/390, no support for object oriented components
- COBOL II (including release 3 and 4)
- Enterprise COBOL Release 3.1

PL/I Support

- PL/I, Release 1.5
- PL/I, Release 2.3
- PL/I for MVS and VM

Assembler Support

The Assembler language option provides limited support for Assembler H and HLA.

Preprocessor Support

These are the preprocessor languages Alliance supports:

- Command-level CICS
- Command-level DL/I
- CA-IDMS
- SQL

Note:
Other preprocessed languages can be supported from the generated COBOL code.

2 Customizing Alliance

This chapter describes the installation and customization options of Alliance and contains these sections:

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Step 1 - Modifying CNTL Library Members	6
Step 2 - Customizing Panvalet, Librarian, or User Source Manager	8
Step 3 - Invoking Alliance	10
Step 4 - Validating Alliance	11
Validating Export Options	17
Validating the Assembler Language Option	18

Prerequisite

Center must be installed and customized before you customize Alliance. If Center has not been installed, see the *ASG-Center Installation Guide*.

Note:

If your site has Endevor-based applications and you want Alliance to support them, install Endevor support. See the *ASG-Center Installation Guide* for installation and customization instructions.

Step 1 - Modifying CNTL Library Members

To modify CNTL library members

1 Modify VIABIAKR by specifying the correct values for these parameters:

Parameter	Description
PERMUNT	Specify the default unit device name used for allocating the sample AKR dataset. The default value is SYSDA.
PERMVOL	Specify the volume serial used for the AKR dataset. By default, there is no volume serial number.
SAMPAKR	Specify the dataset name for the sample AKR. The default is ASG.ALLSAMP.AKR.
SPPRIM	Primary space value. The default is 500.
SPSECD	Secondary space value. The default is 100.
SYSOUT	Specify the correct SYSOUT character.
VIATAPE	Volume serial of ASG installation tape.
TAPEUNT	Specify the tape unit device name.

2 Execute VIABIAKR to install the Alliance sample AKR.

To override the default Alliance installation options, follow this step:

- Edit VIA$PRMB and modify or add the appropriate option. This is the specific installation option:

```
AKR-Buffer-MaxK=8192
```

See the Installation Options appendix in the *ASG-Center Installation Guide* for more information about changing the installation option default values.

These are some of the Alliance-specific installation options, which are found in the ASG-Center parm member, VIA$PRMS. You can copy parameters from VIA$PRMS into Alliance parm member VIA$PRMB, then change the values to meet your needs.

Note:

Copying parameters into Alliance overrides the Center default values.

Parameter
Alt-High-Level-Node
Appl-Anlz-Excl-CSECT
Appl-Anlz-Excl-DD
Appl-Work-Primary
Appl-Work-Secondary
Appl-Work-SYSDA
Appl-Work-Unit
Appl-Work-Volume
CICS-CSD-Library
Library-Percent

Step 2 - Customizing Panvalet, Librarian, or User Source Manager

Customizing Panvalet

If Panvalet is installed at your site, customize these options:

Note:

Do not customize these options if you are using Panvalet R12 and above. The module PAM is available in LINKLST or LPA.

Option	Description
VIASPAMJ	Edit this CNTL member, specify a valid JOB card, and enter the correct values for ASG, ASMBLR, CENTER, LIBRLIB, LIBRMAC, SYSOUT, and SYSDA parameters. Submit this job to assemble and link-edit the Panvalet VIASPAM module.
Customized Edit screen	If your site has modified Panvalet's customized edit screen, these changes may need to be included in the ESW screens VSPENPAN, VSPE2PAN, and VSPEDPAN. If this situation occurs, contact ASG Customer Support.
WTP Messages	If the Panvalet load library is allocated under ISPLLIB and the LIBDEF facility is used, `MEMBER NOT FOUND` warning messages display each time you select a Panvalet member. These are the possible alternatives: • Add Alliance allocations to LOGON and bypass LIBDEF processing. • Add the Panvalet load library allocation to VIALLIB in LIBDEF processing. • Set WTPMSG OFF (not recommended).

Customizing Librarian

If Librarian is installed at your site, customize these options:

Option	Description

VIASFAIJ	Edit this CNTL member, specify a valid JOB card, and enter the correct values for ASG, ASMBLR, CENTER, LIBRLIB, LIBRMAC, SYSOUT, and SYSDA parameters. If you are running Librarian R3.9, edit CNTL member VIASFAIR. Comment out the four lines containing these delete statements:
	`DELETE EPLOC=XFAIROPN`
	`DELETE EPLOC=XFAIRMOD`
	`DELETE EPLOC=XFAIRREC`
	`DELETE EPLOC=XFAIRCLS`
	Submit this job to assemble and link-edit the Librarian VIASFAIR module.

Customized Edit screen	If your site has modified Librarian's customized edit screen, these changes may need to be included in the ESW screens VSPENLIB, VSPEDLIB, and VSPE2LIB. If this situation occurs, contact ASG Customer Support.
WTP Messages	If the Librarian load library is allocated under ISPLLIB and the LIBDEF facility is used, `MEMBER NOT FOUND` warning messages display each time you select a Librarian member. These are the possible alternatives: • Add Alliance allocations to LOGON and bypass LIBDEF processing. • Add the Panvalet load library allocation to VIALLIB in LIBDEF processing. • Set WTPMSG OFF (not recommended).

Supporting Other Source Managers

These are the options to customize to support user or other developed source managers:

Option	Description
VIAEDUSR	Modify the distributed CLIST VIAEDUSR according to the instructions in the CLIST. To invoke VIAEDUSR, select the Modify Library pop-up ▸ User Source manager option. You may have to customize these screens: • VSPEDUSR • VSPE2USR • VSPENUSR
Edit Options	You can make changes to the Options - COPY/Include Libraries screen (VEPEOPTS) to reflect the alternate source manager and dataset or member names used.

Step 3 - Invoking Alliance

Proceed to "Step 4 - Validating Alliance" on page 11 if the ESW products menu is already installed.

To invoke Alliance from an ISPF screen, follow this step:

▸ Use these screen definition cards to add an Alliance option to the ISPF Primary Menu or another dialog menu:

To describe the Alliance option to the user, use this syntax:

```
% S +Alliance - ASG Application Understanding Tool
```

To invoke Alliance based on the user selection of the letter S, use this syntax:

```
S, 'CMD(%Alliance) NEWAPPL(VIAB)'
```

Note:

After updating the ISPF environment, it may be necessary to re-enter ISPF before the facilities are available.

To invoke Alliance with a CLIST, follow this step:

- Type `TSO VIAAL` on the command line in the ESW Primary screen and press Enter. The VIAAL CLIST invokes the ALLIANCE CLIST while it specifies the NEWAPPL(VIAB) parameter that sets the correct application ID.

Step 4 - Validating Alliance

To verify that Alliance installed successfully, you can use the installation checkout form included in "Installation Checkout," on page 21.

Note:

The dataset names used in these validation steps are the default names. If you have changed them, use the changed names where the default names are specified.

To validate the logon library allocations

1 Select the correct option from the menu to enter Alliance.

If you installed Alliance as indicated in "Step 3 - Invoking Alliance" on page 10, use the ISPF menu or the CLIST.

Or

If you installed the ESW product menu as described in the *ASG-Center Installation Guide*, use the ISPF selection or the CLIST to display the ESW Primary screen.

Note:

When you enter Alliance using the ESW Primary screen, the name on the screens display as ESW - Application Understanding.

2 Select Help ▸ About from the Alliance Primary screen and press Enter. The Help - About pop-up displays (see Figure 6).

Figure 6 • Help - About Pop-up

```
                    Help - About

 The following is release information for this ASG
 product.

  Product name . . . . . . . : ASG-ALLIANCE
   Release number  . . . . . : 7.0
   Maintenance level . . . . : 000

  ASG-CENTER release number  : 7.0
   Maintenance level . . . . : 000

  Operating system . . . . . : OS(390)
```

3 Verify the product releases and levels of Alliance and Center that are installed.

4 Press PF3/15 to exit.

To review and/or modify Alliance product options

1 Select Options ▸ Product parameters from the Alliance Primary screen and press Enter. The Options - Product Parameters pop-up displays (see Figure 7).

Figure 7 • Options - Product Parameters Pop-up

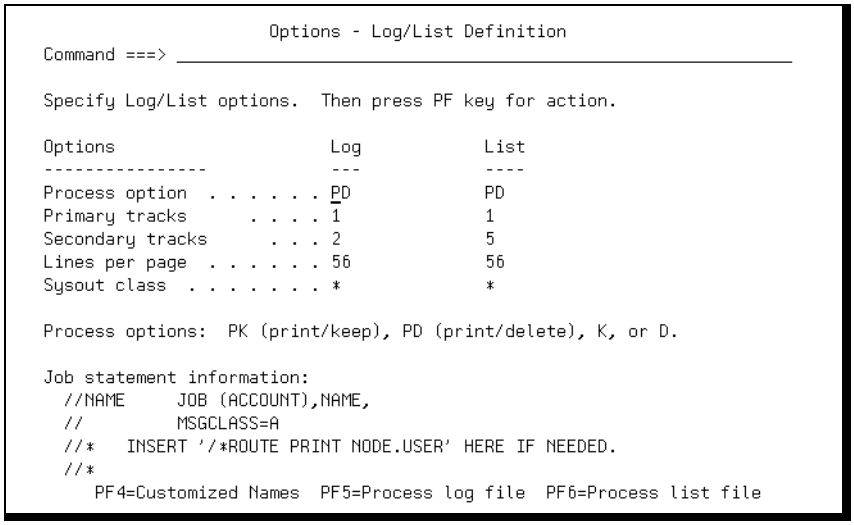
```
                    Options - Product Parameters
Command ===> ____________________________________________________________

Specify parameter information.
Alarm . . . . . . . YES  (Yes/No)
Confirm submit  . . YES  (Yes/No  Confirmation displayed before Submit)
Confirm delete  . . YES  (Yes/No  Confirmation displayed before Delete)
AMF Stats Required  YES  (Yes/No  If ISPF Stats required for AMF)
Confirm save  . . . YES  (Yes/No  Save results to Work List)
```

2 Review and/or modify the parameter definitions and then press PF3/15.

3 Select Options ▸ Log/List file and press Enter. The Options - Log/List Definition pop-up displays (see Figure 8).

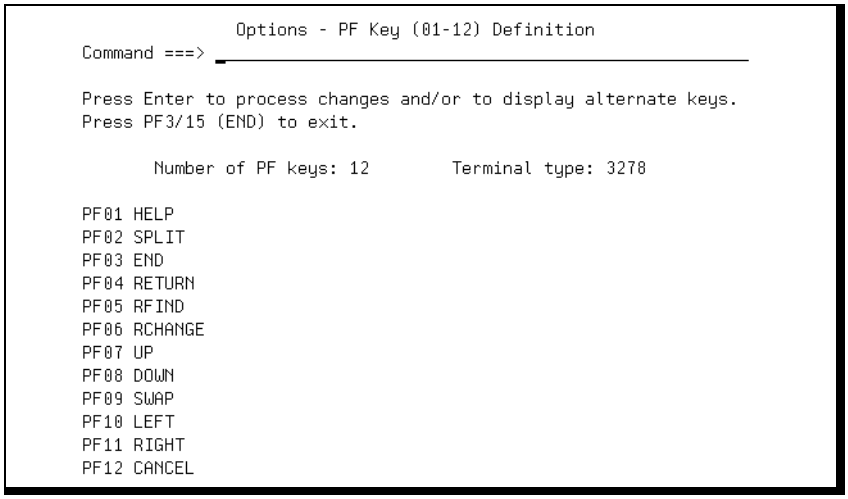
Figure 8 • Options - Log/List Definition Pop-up



4 Review and/or modify the Log file defaults. Enter the JOB statement information and press PF3/15.

5 Select Options ▸ PF keys and press Enter. The Options - PF Key Definition pop-up displays (see Figure 9).

Figure 9 • Options - PF Key Definition Pop-up



6 Review and/or modify the PF key definitions.

7 Press PF3/15 to exit.

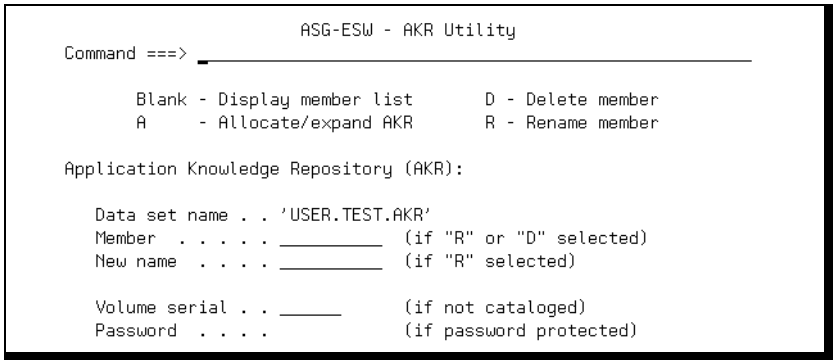
To allocate an AKR

1 Select File ▸ AKR utility from the Alliance Primary screen and press Enter. The ASG-ESW - AKR Utility pop-up displays (see Figure 10).

Note:

If you have already created an AKR when validating another ESW product, proceed to "To open the application from the sample AKR" on page 16.

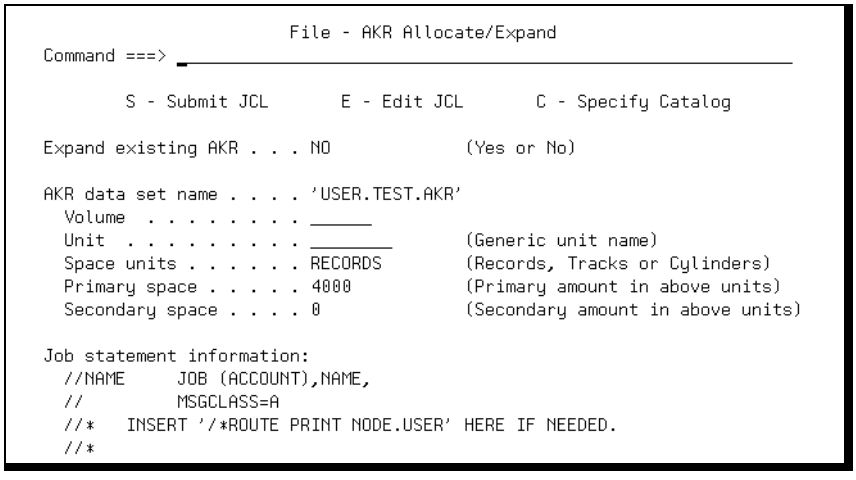
Figure 10 • ASG-ESW - AKR Utility Pop-up



2 Enter the name of the AKR to be allocated.

3 Type `A` in the command line and press Enter. The File - AKR Allocate/Expand pop-up displays (see Figure 11).

Figure 11 • File - AKR Allocate/Expand Pop-up



Note:

The fields on the File - AKR Allocate/Expand pop-up vary depending on the AKR-DSORG-VSAM and SMS values in the Center installation options file (VIA$PRMS).

Complete these tasks:

a Verify the AKR name.

b Enter the value for Volume, Space Units, and Amount.

c If SMS=YES in your VIA$PRMS option file, enter the Management, Storage, and Data classes to be used for the AKR.

d If you are allocating a VSAM AKR, type the appropriate Unique parameter.

e Enter Job statement information for your site.

4 Type `S` in the command input area to submit the job.

5 Verify the ESW AKR successfully allocated and initialized.

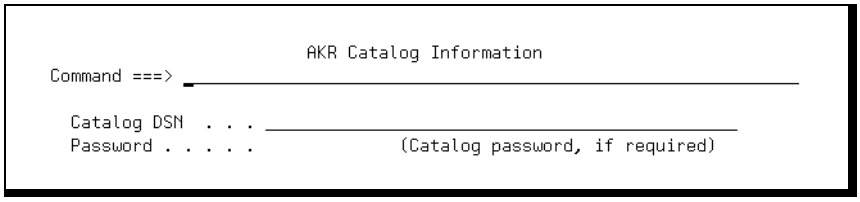
6 Press PF3/15 until you reach the Alliance Primary screen.

After allocation, the AKR allocate utility is validated.

To catalog this dataset in a private catalog

1 Type `C` in the command line on the File - AKR Allocate/Expand pop-up and press Enter. The AKR Catalog Information pop-up displays (see Figure 12).

Figure 12 • AKR Catalog Information Pop-up



2 Enter the user catalog name and password as required.

3 Press PF3/15 to return to the File - AKR Allocate/Expand pop-up.

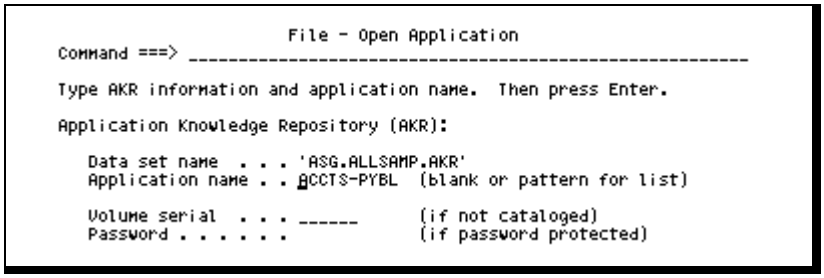
To open the application from the sample AKR

Note:

To allocate the sample AKR provided with the install, execute VIABIAKR from the INSTALL CNTL library.

1 Select File ▸ Open application from the Alliance Primary screen and press Enter. The File - Open Application pop-up displays (see Figure 13).

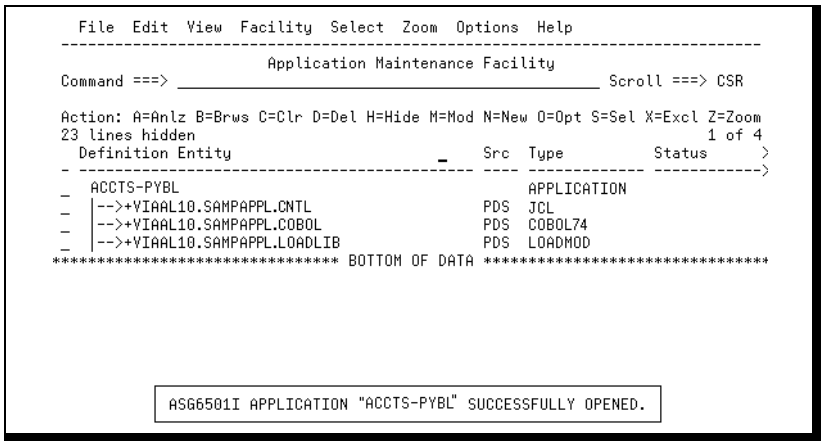
Figure 13 • File - Open Application Pop-up



2 Type `ASG.ALLSAMP.AKR` (the sample AKR) in the AKR dataset name field.

3 Type `ACCTS-PYBL` in the Application Name field and press Enter. The application opens and the Application Maintenance Facility screen displays (see Figure 14).

Figure 14 • Application Maintenance Facility Screen



4 Go to "Installation Checkout" on page 21 to test the AKR utility, application analyzer, and log file.

Note:

If you have purchased the Export feature with Alliance, perform the next section, "Validating Export Options" on page 17. Otherwise, the customization and verification of Alliance is now complete.

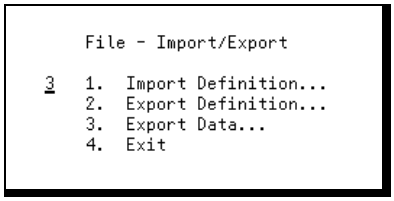
Validating Export Options

You must have an open application to verify Export Options. If you need to open an application, see "To open the application from the sample AKR" on page 16 .

To verify export options

1 Select File ▸ Import/Export from the Alliance Primary screen and press Enter. The File - Import/Export pop-up displays (see Figure 15).

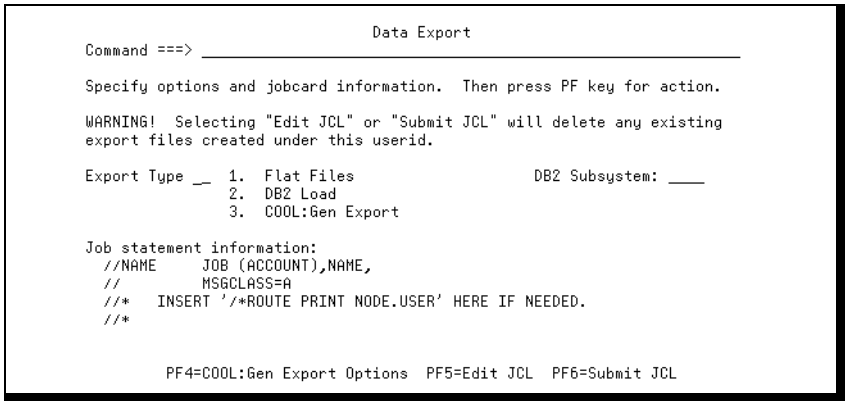
Figure 15 • File - Import/Export Pop-up



2 Select Export Data and press Enter.

If the Export Option installation was successful the Data Export pop-up displays (see Figure 16).

Figure 16 • Data Export Pop-up



If the Export Option installation was not successful, a message displays. If this occurs, check the password specified during the tape unload to activate the Export Option before calling ASG Customer Support.

3 Select the installation Export Type from the Export Data pop-up and press Enter. If the Export Option did not install properly, a message displays.

Note:

If you used option 3. COOL: Gen Export, call ASG Customer Support to obtain a copy of the load module that is needed.

4 If both Export Options are installed, repeat step 3 for each Export Type.

Validating the Assembler Language Option

To create a new application on any AKR

1 Select File ▸ New Application from the Alliance Primary screen and press Enter. The File - New Application pop-up displays.

2 Enter the AKR (Dataset name) and Application name and press Enter.

3 Select Edit ▸ ASM definition and press Enter.

If the Edit - ASM Definition pop-up displays, the Application Assembler option installed correctly. Proceed to To define an ASM library containing at least one ASM program member.

If a message displays stating the option is unavailable, the Application Assembler option did not install correctly.

To define an ASM library containing at least one ASM program member

Note:

You must have an open application to define ASM libraries. If you need to open an application, see "To open the application from the sample AKR" on page 16 .

1 Select Edit ▸ ASM Definition and press Enter. The Edit - ASM Definition pop-up displays.

2 Enter the library dataset name and select the Source manager.

3 Press PF6 to add the library.

4 Press PF4 to display the Add Member pop-up.

5 Enter the member name on the Add Member pop-up and press PF6 to add.

Note:
If any system macros are included in your ASM program, follow step 6 through step 9. If not, proceed to step 10.

6 Press PF3 until you return to the Application - ASM Library Member List pop-up.

7 Select the member you added.

8 Press PF4 to display the ASM Member Options pop-up.

9 Select ASM Member Options ▸ Maintain maclibs and press Enter. The Add Maclib pop-up displays.

   a Type `SYS1.MACLIB` in the Dataset name field.

   b Select the Source manager.

   c Press PF6 to add the maclib.

10 Press PF3 until you return to the Alliance Primary screen.

To select and submit an application for analysis

1 Select File ▸ Analyze from the Alliance Primary screen and press Enter.

2 Select File - Analyze ▸ Select analysis type and press Enter. Select Full or Incremental on the resulting pop-up, then press PF3.

3 Select Submit application analysis Batch job and press Enter. The Analyze - Submit Application pop-up displays.

4 Press PF6 to submit.

To verify that the Assembler application you defined analyzed correctly

1 Select View ▸ Program Cross-Reference Information from the Alliance Primary screen and press Enter. The Program Cross-Reference Information pop-up displays.

2 Select Data Item by Program and press Enter.

   If the Data Item by Program Cross-Reference View correctly displays Assembler data items found in the sample program, then the Assembler Language option successfully installed.

The customization and verification of Alliance is now complete.

Appendix A
Installation Checkout

Company:_____

Installer:_____

Date:_____ / _____ / _____

Step 1 - Testing the AKR Utility

OK	PENDING	
____	____	Use the AKR Utilities pop-up to perform these actions:
____	____	• Allocate a new temporary AKR.
____	____	• Expand the new temporary AKR using the EDIT JCL option on the AKR Allocation pop-up.
____	____	• Delete the temporary AKR by entering this information on the command line:

```
TSO DELETE 'temporary.akr.dsn'
```

Step 2 - Testing the Product

To test the application analyzer, follow this step:

- Load these items into the AKR through the Application Definition Process:
  - All variations of COBOL
  - JCL
  - Load modules
  - CICS tables and maps
  - IMS definitions
  - Formats that reside in various source managers that use the various preprocessors

OK	PENDING	
____	____	Define a few small applications. Include programs from different source libraries using different copy libraries with various compile parameters and levels of COBOL. Include JCL, load modules, IMS components, and CICS components.
____	____	Verify the operation of these major Alliance features:
____	____	• Application definition
____	____	• Application definition view
____	____	• Missing entities
____	____	• Dead entities
____	____	• System cross-reference information
____	____	• Program cross-reference information
____	____	• Query facility
____	____	• Impact facility
____	____	• Export facility (if you have purchased this option)
____	____	After all user applications are successfully tested, delete the demo applications from the AKR using the AKR Directory pop-up or VIASAKRU JCL.

Step 3 - Testing the Log File

OK	PENDING	
____	____	Type `KEYS` on the command line and press Enter to verify the default PF key assignments.
____	____	Test the log file allocation using `DEBUG LOG` to force the log file allocation. Follow that command with the `PRODLVL` command to force output to the log file.
____	____	Test the log file job submission facility by accessing the Options - Log/List pull-down and pressing PF5/17 to release the log file to print.
____	____	Edit and submit the VIASAKRX JCL to test the AKR expansion job. Verify that the VIASAKRX job ran successfully.

The installation and checkout of Alliance is now complete.

Appendix B
Alliance CNTL and CLIST Members

Alliance CNTL Members

These are the Alliance CNTL members:

Member	Description
VIA$OPTB	A copy of the Alliance options member; used to restore the original installation options and is not referenced by Alliance.
VIA$PRMB	Alliance installation options member.
VIAB2*xxx*	DB2 query definitions.
VIABAPPL	Sample export definition.
VIABBTCJ	JCL to run Alliance in Batch mode.
VIABIAKR	JCL to install the Alliance sample AKR.
VIABIMPT	Sample import application definition.
VIABQ*xxx*	Query definitions.
VIABSCPT	Script to execute an impact analysis.
VIABX*xxx*	Export JCL and control files.

Alliance CLIST Members

These are the Alliance CLIST members:

Member	Description
ALLIANCE	Used by the VIAAL CLIST to invoke the Alliance product from native TSO.
VIAAL	Invokes the Alliance program from a CLIST using the correct application ID (VIAX).
VIABEXD2	Deletes previously created export files to prevent the creation of uncataloged datasets.
VIABTEST	Invokes the Alliance program under TSO test for diagnostic purposes only.
VIAYBRO	Invokes the SmartBrowse Entry screen.
VIAYEDIT	Invokes ISPF Edit to edit a query file for Alliance.
VIAYJCLE	Displays JCL and errors when a JCL error has been detected during JCL extraction.

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